

Shift of Economic Aspects by New Technical
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CRL/T. 1248

Sci-M/M

Oct. '63

Influence of Chemical Composition and Pre-Treatment
on the Straightening Force, the Change α in Rod
Diameter and the Mechanical Properties When Roll
Straightening Cold-Drawn Steel, by Dr. O. Pawelski.

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KIBI 3062

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Sci - Engr
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Sc i-Min/Met
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BIBI 3045

sci - m/m

Jan 63

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Injection of Heavy Oil Into Blast Furnace at High
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Ways of Minimizing Oxide Inclusions in Low-Carbon
Rimming Steels During Pouring and Solidification.
Part I, by R. D. Baare, E. Boekers, et al.

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Sci-Materials & Metallurgy
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Experiences With a Reducing Mill for Hot Rolling
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BISI 3315

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Fifty Years of Stainless Steel, by H. Krainer.

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HB 5746
CRL/T. 1260

Sci-M/M

Aug 63

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Comparative Study of Sampling Practices for
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W. Thomich.

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*IB 5747

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Removal of Dust From Basic-Oxygen Furnace
Brown Fumes by Means of Bag Filters, by
W. Mihlrad.

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Replacement of Sinter by ~~RDX~~ Pellets With
Fully Prepared Burden, by G. Heynert.

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CRL/T 1236
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Sci-M/M

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Manipulators and Conveying Installations as a
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Impressions Gained During a Visit to Some Blast-Furnace Plants in Japan, by G. Heynert.

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Impressions From a Visit to Some Blast Furnace Plants
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HB 5869

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The Influence of Hot Dip Galvanizing on the
Fatigue Characteristics of Cold-Rolled
Sheet. Part I, by M. Hempel, D. Horstmann.

GERMAN, por, Stahl und Eisen, Vol LXXXII,
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HB 5801

Sci-M/M

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HB 6078

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Thickness of Zinc Coats, by F. Stricker.

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Pickling Baths, by G. von der Dunk, B. ~~WENIGER~~
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Sci-M/M

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A Method of Measuring the Efficiency of
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HB 5803

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With a Final Diameter of 5.0 mm, by H. Krautzacher,
F. Greis.

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in Plant Design, by B. Tarmann ~~and~~ E. Plockinger.

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Sci - M/M
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The Manufacture and Behaviour of Dolomite
Blocks for Lining the Walls of Arc Furnaces,
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BISI 3141

Sci - M/M
Apr 63

229,481

Removal of Zinc from Blast-Furnace Flue Dust,
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HB 5804

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Experience with a Stretch Reducing Mill for Hot Rolling Wire Rod, by H. Jungk and J. Kratzer.
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HISI 5695

Sci-Mat
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Changes in the Iron and Steel Industry, by
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MBI 3153

Sci - M/M
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Effects of Development of Processes on the
Future Structure of Heat and Power Economy in
Mixed Iron and Steelworks, by F. Wessmann.

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ABSI 3167

Sci - M/M
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Method of Flushing Hot Metal and Steel in the
Ladle, by K. G. Speith, O. Steinhauer.

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HB 5863

Sci-Materials & Metallurgy
SMX July 63

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Structural Design and Controls for Forging
Cranes and Turn-Over Gears, by E. Berhoft.

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MAR 3173

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Sci - Engr
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Contribution to the Knowledge of Nitrogen
Solubility in Iron Alloys in the Temperature
Range 700 - 1200°C, by H. Schenck, M. G.
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RISI 3217

Sci - M/M
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Significance of Technological Factors on the Data
Collecting and Data Processing in Steel Plants and
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Sci - Math & Data Processing
Mar ~~xu~~ 63

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Change of Mechanical Properties of Rail Steels
Owing to Hydrogen Diffusion, by W. Keller,
W. Janiche.

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BIBI 3255

Sci - M/M
Aug 63

342,177

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Technically Useful Oxide Layers, by H. Schenck,
H. Kupperbusch.

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MMI 3195

Sci - Chem
Aug 63

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Contribution to the Determination of Oxygen
Chiefly in Aluminium-Killed Steels, by H. Schenck,
M. G. Frohberg.

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* HB 5859

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Sci - M/M
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BIBI 3213

See - M/M
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235, 712

Hot Blast Stoves for High Blast Temperatures,
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Sci - Mechanical, Industrial,
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Operating Results With the New Electronic Teeming
Crane Scales at Hoerde Steelworks, by G. Wiethoff,
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RINI 3209

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Reference to Large Capacity Units for Steel
Production, Part I, by K. Y. Harms.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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HB 5900

Sci-M/M
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246, 340

On the Electric Arc Furnace With Special Reference to
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F. Harms.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 5, 1963,
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HB 6035

Sci - M/M

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H. Haucke.

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BIBI 3210

Sci - H/M
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Strain During a Tensile Test. Characteristics of Tensile
Testing Machines, and Their Effect on the Rate of
Strain at the Lower Yield Point, by Alfred Krisch,
Reinhard Schweitzer, 33 pp.
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Experiences in Flaw Detection by Ultrasonics
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Experiences With Oil-Fired Bell-Type Annealing
Furnaces, by K. W. Dockhorn,
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HB 6488

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Surface Roughness of Cold Rolled Strip Steel -
How to Measure It, by K. Miettner.

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~~HB~~ 5657

Sci - M/H
Jul 63

Cooling of Wide Steel Strip Coils After
Annealing in a Bell-Type Furnace, by
K H. Wolff, R. Schneider.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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HB 5893

Sci-M/M

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343,491

Process for the Production of Plastic-Coated
Steel Strip, by G. von der Dunk, B. Meuthen.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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BISI 3335

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Oxygen Contents of Low-Carbon Rimming Steels
Top-Blown with Oxygen from High-Phosphorus Pig
Irons (LD-AC Process), by H. von Ende, W. Pfleff.

GERMAN, per, STAHL UND EISEN, Vol XLXXXIII, No 7,
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HB 5937

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345, 224

Production of Open Hearth Steel With Phosphorus
Rich Pig Iron by Top Blowing With Oxygen
Report (No 758), by K.-O. Zimmer, K. Walden.

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BIBI 3258

Sci - N/M
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342,197

Experience With Uni-Directional Flow Forging
Furnaces, by H. J. Pohle, E. Kohler.

GERMAN, JK per, Stahl und Eisen, Vol LXXXIII,
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BISI 3271

Sci - M/M
Jan 64

246, 378

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Reheating Alloy Steels as Dependent on Composition
Dimensions and Position of the Ingot in the Furnace,
by W. Riemann.
GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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BISI 3440 94-

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Changes in the Surface Finish of Areas in
Contact With the Tool During Cold Upsetting, by
H. Wiegand, K. H. Kloos.

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BISI 3272

Sci - Engr
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246,379

Use of Pulverized Lime in the Electric Steel
Plant Pneumatic Transport as a Charging Method,
by M. Hause, H. Giese.

Chemie, per, Stahl und Eisen, Vol LXXXIII, Apr 1963,
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Sci - N/M
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MISI 3354
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Effect of Deformation of Austenite Prior to
Martensitic Transformation in Low Alloy
Structural Steels, by K. Deterb, C. Schmidt-Krayen.

GERMAN, per, Stahl Eisen, Vol LXXXIII, No 8,
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BSI 3310

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Sci - H/M
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Design of a Programmed Blooming Train With
Automatic Material Flow, I- Design and
Operation of the Rolling Mill, by H. Hys,
F. Fogari.

GERMAN, per, Stahl und Eisen, Vol LXXXIV,
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BISI 3301

Sci - Engr
Jan 64

248, 811

Design of a Programmed Blooming Train With
Automatic Material Flow, II - Drives
and Control Systems, by O. Schnepf,
G, Mainhausen.

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BISI 3302

Sci - Engr
Jan 64

246, 374

Design of a Programmed Universal-Slabbing Mill,
Part I, by K. A. Zimmermann.
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BISI 3303

Sci - Engr
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Design of a Programmed Universal
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Control System, by G. Weidtmann.
GERMAN, per, Stahl Eisen, Vol 83,
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BISI 3304

Sci/M&M
Aug 65

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High Transport Operation Rates With Cable-Drawn Ingots
and Slab Buggies. I - Mechanical Equipment, by
H. von der Warth, T. Sevenich,
GERMAN, per, Stahl und Eisen, Vol LXXXIII, Apr 1963,
pp 517-522.

BISI 3305

Sci - M/M
Mar 64

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High Transport Operation Rates With Cable-Drawn Ingot and Slab
Buggies: Part II - Electrical Equipment, by H. Greiner.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, Apr 1963,
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BISI 3306

Sci - Electron, Engr
Feb 64

250,717

Experience With an Extensively Mechanised
1000 t high-speed Forging Press in a Special
Steel Producing Works, by W. Haring.

GERMAN, per, Stahl Eisen, Vol LXXXIII, No 4, 1963,
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*BISI 3307 (~~International~~)
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Sci - Engr
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Continuous Casting of Steel and the Planning
of Continuous Casting Plants, by G. Pauels.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 9,
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HB 5918

Sci-M/M

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Oxygen in Killed and Semi-Killed Steel, by
J. Koenitzer, R. Hammer.

GERMAN, per, Stahl Eisen, Vol LXXXIII, № No 5,
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~~Q~~BISI 3318

Sci - Chem/ M/M
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Determination of the Reducibility of Ores, Sinters and
Pellets in a Two Stage Test, by H. Krainer, M. Wahlster.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963,
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Sci - N/M
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345, 142

Investigations on the Detection of Defects in
Thick Plates of Steel With γ -Rays, by H. Dresia,
W. Sengpiel.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, May 1963,
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BIBI 3336

Sci - Phys
Oct 63

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Detection of Pipe in Hot Blooms or Slabs by Means of
Gamma Radiation, by H. Ermert, A. Herwig, et al.

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Calculation of Cooling Time of Rolled Products on
Cooling Beds, by W. Krause.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963,
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BISI #3692

Sci - Engr
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262,160

Development and Design of a Hot Blast Stove With
Combustion Chamber Outside of the Checkerwork,
by A. Hoyer, N. Tallman,

GERMAN, per, Stahl und Eisen, Vol LXXXIII, May 1963,
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MEI 3386

Sci - M/M
Oct 63

345, 401

Recent Operational Investigations on the Main
Drives of Ingot Cogging Mills, by M. Preske.^{ON RELEASE} (PART I+II),
M. HOFFMAN & H.J. MARX (PART III)
GERMAN, per, Stahl Eisen, Vol LXXXIII, Jun 1963,
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*BISI 3349

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Investigation on the Agreement With Statistical Laws of Spindle
Torques and Housing Loads in a Blooming Mill Train, by
F. W. Griesse, W. Schweer.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 6, 1963,
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BISI 3557

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Steels for the Oil Refining and Petrochemical
Industries, by L. Schaeben, K-J. Westerfield.

GERMAN, per, Stahl Eisen, Vol LXXXIII, 1963
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*HB 5992

Sci - M/M
Aug 63

The Dry Neutralization of Iron Sulfate Heptahydrate,
by M. Haucke.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 14,
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HB 6211

Sci-Chem
June 64

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Investigations on the Efficiency of the WFC-Desulfurizing
Plant and the Smelting of Iron Ores, by K. Gebhard,
E. Sichel.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, Jul 18,
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BISI 3428

Sci - M/M
Dec 63

243, 524

Determination of Coke Consumption in the Blast
Furnace, by B. Marincek.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963,
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BISI 3627

Sci - M/M
May 64

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Problems Concerning Dust Removal in Flue
Gases From Arc Furnaces, by W. Muhlrad.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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BISI 3446

Sci - Engr
Jan 64

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Sales Accounting in an Integrated Steelworks With
Special Reference to Electronic Data Processing
Units, by H. Bodewig, G. Schumacher.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963,
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BISI 3379

Sci - Math & Data Process
May 64

257,1017

The Cooling Capacity of Various Additions and
Effect on Charge Conditions and Costs When
Refining Steel With Oxygen, ~~M~~ Part I, by K. G. ~~S~~
Speith, H. vom Ende, O. Steinbauer.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 16,
1963, pp 961-969.

HB 6031

243, 924

Sci-Engr

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The Cooling Capacity of Various Additions and
Effect on Charge Conditions and Costs When Re-
fining Steel With Oxygen, Part II, by K. G.
Speith, H. vom Ende.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, X
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HB 6079

Sci-M/M
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246,367

Present State of Iron Ore Pelletizing in North America, by A. Send.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, Aug 1, 1963, pp 972-978.

RISI 3431
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The Effect of Soda Treatment of Pig Iron on the
Nitrogen Content of Basic Bessemer Steel, by
P. Haastert, E. Kohler.
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BISI 3381

Sci - M/M
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The New Basic Oxygen Steel Plant of August-Thyssen-Hütte, by K. Behrens, R. von Moos.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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HB 6039

~~SECRET~~ - Econ
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The Formation of Slag in the Basic Open-Hearth Process, by G. Tromel, E. Gorl.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963,
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BISI 3583

Sci - Engr
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New Developments in Blast Furnace Technology
in North America, by A. Send.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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BISI 3456

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Open-Die Forging Presses, Their Drives and Controls,
by W. Dohrn, H. Winkler.

GERMAN, por, Stahl und Eisen, Vol LXXXIII, 1963,
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BIBI 3392

Sci - Engr
Dec 63

243, 622

Determination of the Volume, Composition and Temperature
of the Waste Gas and the Dust During Meltdown and Oxidation
by Oxygen Lancing in a 15-Ton Electric Arc Furnace, by
H. Kahnwald, O. Etterich.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 17, 1963,
pp 1067-1070.

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Sci - M/M

Mar 64

250,784

Effect of Slag Formation on the Efficiency and
Desulphurisation in the Basic Open Hearth Process,
by G. Tromal, H. Schafer.

GERMAN, per, Stahl und Eisen, Vol LXKIII, 1963,
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BISI 3430

Sci - Engr
Dec 63

243,527

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